



BADGER STATE

Smoke Signals



Serving Amateur Radio in Wisconsin

Published Monthly Since 1969

Vol. 14 No. 9 - 175th Consecutive Monthly Issue - Baraboo Wis. - September 1984

1. BEWARE the lightning that lurketh in an undischarged capacitor lest it cause thee to bounce upon thy buttocks in a most undignified manner.
2. CAUSE thou the switch that supplieth large quantities of juice to be opened before groping, that thy days may be long in this earthly vale of tears.
3. PROVE TO THYSELF that all high voltage circuits on which thy worketh, do not worketh, and have been discharged, lest thee be elevated well above ground, and thy nose light to show others the way.
4. TARRY THOU NOT amongst those fools that engage in intentional shocks for they are surely nonbelievers and are not long for this world.
5. TAKE CARE THOU tampereth not with safety devices as this incureth the wrath of the manager and bringeth forth the fury of thy supervisor upon thy head and shoulders.
6. WORK THEE NOT on energized equipment for if thou doest so, thy friends may be buying drinks for thy widow and consoling her in ways not generally acceptable to thee.
7. VERILY, VERILY, I say unto thee, never worketh on equipment alone, for electrical cooking is a slothful process, and thou might sizzle for hours in thine own fat before thy Maker sees fit to end thy misery and drag thee into the fold.
8. CARE THOU useth the proper method when thou taketh the measure of high voltage circuits so that thou dost not incenerate both thee and thy test meter, for verily, though thou hath no account number and can be easily replaced, thy meter dost have one and as consequence brings much woe unto accounting.
9. TRIFLE THOU NOT with radioactive tubes and substances, lest thou commence to glow in the dark like a lightning bug, and thy wife be frustrated and have no further use for thee except for thy paycheck.
10. COMMIT THOU to memory all the words of the prophets which are written down in the training manual and the calibration procedure, which giveth out straight dope and consoleth thee when thou hast suffered a ream job from thy supervisor.
11. MAKE HASTE SLOWLY --- You'll get it fixed sooner and safer.
12. NEVER GRAB for a falling tool. It might be your soldering iron and you just might catch it.

(source unknown -- I lost the original -- K9EN)

Badger State Smoke Signals supports: The American Radio Relay League (ARRL) - The Wisconsin Nets Association (WNA) - The Wisconsin Association of Repeater (WAR) - The Amateur Radio News Service (ARNS)
GEARVAKf (The 'f' is silent)

Badger State Smoke Signals

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Permission is granted to re-
print items from BSSS provid-
ing credit is given to the
author and Badger State Smoke
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WHOOOPS!!! WE GOOFED

We failed to list L. J. Hemmer, WB9TFJ with those Amateurs providing communications for the Baraboo Circus Street Parade held on July 7th. Our apologies to you L.J. and your help with the communications was greatly appreciated along with that of everyone else. Bob Parkinson and Bill Schultz both asked me to thank the Amateurs for their help with the parade.

SWAPFESTS AND OTHER SOCIAL EVENTS

The Wisconsin Nets Association annual Picnic will be held on September 15, 1985 at North Wood County Park near Wisconsin Rapids, WI. Refreshments available. Bring your own food. Camping is available.

The Northern Illinois DX Association once again invites all Amateurs with an interest in DX to attend the annual W9DXCC DX Convention on Saturday, September 15, 1984. The location will be the Holiday Inn in Glen Ellyn, IL. One registration covers the full day including the banquet. The registra-

tion is \$19.50 for the Early Bird-- Postmarked by Sept. 8, 1984, and \$22.50 thereafter. Banquet registration for the non-ham spouse/guest is only \$15.00. Registration: to Howie Huntington, K9KM, 65 South Burr Oak Drive, Lake Zurich, Illinois 60047. Make check payable to "W9DXCC".

Radio Expo 84 will be held September 22nd and 23rd at the Lake County Fairgrounds, (halfway between Milwaukee and Chicago) Rts. 45 and 120, Grayslake, IL. \$4.00 for both days, \$3.00 in advance. Radio Expo, Box 1532, Evanston, Illinois 60604.

The 12th FORT WAYNE (INDIANA) HAMFEST sponsored by the Allen County Amateur Radio Society, Inc. will be held on Sunday, November 11, 1984 at the Allen County Memorial Coliseum, Coliseum Boulevard (U.S. 30) at Parnell Avenue. Advance Tickets \$3.00 or \$3.50 at the door. Tables \$8.00, premium tables \$20.00 (NO table sales at the door!). Ticket and table deadline is October 20. Hear the infamous "HAM BAND" again, under the direction of Luke Matthew, WB9EWJ. For tickets, tables or more information, contact: Hamfest Chairman AC-ARTS, P.O. Box 10342, Fort Wayne IN 46851.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages, and/or we can include your flyers. For information on rates and requirements for our advertising pages, and/or for including flyers, please contact K9ZZ or K9EN.

CLUB MEETINGS:

Kettle Moraine Radio Amateurs:

All meetings are held on the SECOND (2nd) Friday of each month.

Madison Area Repeater Association

Next meeting will be September 10, 1984.

Milwaukee Radio Amateurs Club:

All regular meetings of MRAC are scheduled for 1984 at Wauwatosa Savings and Loan Building, 7500 West State Street, will be held on the second Thursday of the month. Sep. 13, Oct. 11 and Nov. 8.

The speaker for the Sept. 13th meeting will be Mr. John Lorbecki, Sr., K9WUF who will discuss TEST EQUIPMENT TRICKS. He will be doing things with various pieces of test equipment that they were not originally intended for!

West Allis Radio Amateurs Club

Regular meetings are held on the second Tuesday of each month at St. Francis Savings, 9330 W. Greenfield Ave., at 8:00 P.M.

The Wisconsin Nets Association

Annual picnic will be held September 15, 1984. Details elsewhere in BSSS.

The Wisconsin Valley Radio Association (Wausau)

holds regular monthly meetings on the first Tuesday of the month at 7:30 p.m. The location varies, but information is available on the 146.04/64 repeater in Wausau.

Yellow Thunder Amateur Radio Club: (Baraboo, WI)

All regular meetings of YTARC are held in room 34 of the Baraboo Civic Center. Sep. 17, Oct. 16, Nov. 14, Dec. 13. Information on the programs will be found in the YTARC section of BSSS.

Let us know of your club meeting dates and we will let others know of your meetings and activities. There may be amateurs in your area interested in joining your club or members of other clubs interested in making an interclub visit.

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WB9QMT and KA9AAH - Silent Keys:

We are sorry to report that a tragic head-on vehicle accident took the lives of Harold E. Nelson, WB9QMT, and Evelyn, KA9AAH, Harold's wife. The accident happened on July 26, on Highway 50, in Kenosha County.

The Nelsons lived in Silver Lake WI.

Harold was a member of the Quarter Century Wireless Association (QCWA) and the Lakeshore Repeater Association.

(Thanks to John LaBlonde, W9FZC, for this information)

-k9zz

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As you get older, you learn to take everything with a grain of salt -- that's all the doctor will allow you.

-- Sandy Cooley, New Holstein Reporter

SCHOLARSHIPS ANNOUNCED:

The Foundation for Amateur Radio has announced the 1984 winners of the 15 scholarships it administers.

Two of the winners are Wisconsin Amateurs:

The John W. Gore Memorial Scholarship, in the amount of \$900.00, was won by David J. Schmocker, KJ9I, of Oconomowoc.

QCWA Silent Key Memorial Scholarships - Three awards of \$500.00 each - The winner from Wisconsin was Bruce A. Wade, N9UR, of Glendale.

These scholarships were open to all Radio Amateurs meeting the qualifications and residence requirements of the various sponsors.

The Foundation is a non-profit organization representing fifty clubs in Maryland, the District of Columbia, and Northern Virginia. It is devoted exclusively to the scientific, literary and educational pursuits that advance the purposes of the Amateur Radio Service.

Information regarding 1985 awards will appear in the April or May issues of the major Amateur Radio publications (including Badger State Smoke Signals.)

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YOUR EDITOR SEZ:

Items... Our honorable and most venerable publisher is a candidate for Vice Director of the ARRL's Central Division (again.) You will receive your ballot shortly from League Headquarters.. and your vote for Ken Ebner, K9EN, will be greatly appreciated. You gets a ballot only if you are a League member, natch. If you're not, you won't. And... when your ballot does get stuffed in your mailbox, be sure to mark it and return it as soon as you can.. don't procrastinate!! Pick up your pen... and mark for Ken!!

Ken served two terms as Vice-Director, and was defeated in 1982. Please help return him to office.

During his two terms, Ken attended all ARRL Board meetings, at the invitation of the Director. The invitation was free; the expenses were not. Ken gladly shucked the bread out of his pocket.

Ken is responsible, he is dedicated, he is competent. Attention to detail is one of his strong suits, and that pays! There is very little in our complex hobby that Ken doesn't understand.. VERY little!

K9EN is proficient at CW, SSB, RTTY, computers, digital electronics, packet radio, DX, test equipment. He has brought new people into our hobby through Novice classes. He is patient indeed. He has patiently turned the crank on the mimeo machine for probably many millions of pages, having printed the old WNA Bulletin all the way back before 1960. He has cranked out Yellow Thunder Smoke Signals, the "newer" WNA Ltd./ARES Bulletin, and this paper, among other hard work. He's been doing this on a monthly basis since 1969, and he isn't slowing down!

K9EN has had an Amateur Extra Class license for 25 years. He's been a Ham for a long time. He is strictly up-to-date about state of the art equipment and techniques.

Please mark your ballot for Ken Ebnetter, K9EN! When you do, you vote for.. YOU!!

73, Jim Romelfanger, K9ZZ
Editor, Badger State Smoke Signals

(P.S. Thanks to all those who signed Ken's nomination petition, and put up with my "house calls" in the late evening. Thanks also to Steve Polishinski, WB9YSD, who really did a bunch of the legwork.. and didn't even cuss my driving - too much. k9zz)

HAMS STRUCK BY MYSTEROUS AILMENT From GEARVAKf Bulletin

By Dr. Hanson Strangeplazes, GEARVAKf
Medical Director

The first case was reported as a 27 year-old Amateur Radio operator (general class) was found sitting upright at his equipment, his hand suspended just above the straight key, his other hand on the receiver dial. His face was dull and lifeless, failing to react to any outside stimulus. While this is a common condition of the Radio Amateur, it became unusual because he failed to react to a DX call. Asked to investigate, I diagnosed the condition as "rigmortis," a catatonic state brought on by continuous exposure to CW. In advanced cases, we have seen complete disorientation, high SWR, and even burned out finals. If you know anyone experiencing these symptoms, please send information to "STIFF". c/o Lishnus General Medical Center Mount, Vemin, OH 45323.

I couldn't think of anything to put here.

MISCELLANEOUS MISCELLANEOUS MISCELLANEOUS
Oh what the -- a few items of interest

Milwaukee Radio Amateurs Club HAMATEUR CHATTER

LICENSE TRAINING CLASSES of Milwaukee Radio Amateurs Club are open to all persons interested in obtaining or up-grading an Amateur Radio license. You do not have to be a member of MRAC to participate. Advance registration is required. This is your chance to get or up-grade your ticket. Classes begin on Wednesday, September 12, 1984.

VOLUNTEER EXAMINERS will be giving Amateur license tests for any persons enrolled in our training program, or not, and this new service is offered to non-members of MRAC as well as to our members. Contact: Milwaukee Radio Amateurs Club, Inc., 4415 North 110th Street, Wauwatosa, WI 53225.

Wisconsin Nets Association

For news of the WNA see the WNA section of Smoke Signals.

West Allis Radio Amateurs Club HAMTRIX

At the July 10 regular meeting, George Schlessinger, K9ILV was elected club Secretary for the remainder of this club year.

Ray, WB9JYR, having accomplished his goal on 6 meters is now pursuing QSO's on 15 meter CW using his computer. Ray has at least 15 countries confirmed so far using this mode.

Les, W9YCV is now active on OSCAR 10. His first three contacts were with Japan. His best DX so far is FK8AH in Noumea, New Caledonia down in the SW Pacific.

Mark your calendar for December 2 for our 30th Anniversary and Awards Dinner.

Yellow Thunder Amateur Radio Club, Inc. For news of the YTARC see the YTARC section of Smoke Signals.

Our thanks to the above mentioned clubs and their bulletins for the information presented. Badger State Smoke Signals will be pleased to exchange bulletins and information with your club. Please contact K9ZZ or K9EN.

We are trying a new type style for BSSS this month. We have 12 characters per inch instead of the previous 17 which should make a more readable text. Please let us know how you like it.

YELLOW THUNDER AMATEUR RADIO CLUB

The August 16 meeting of the Yellow Thunder Amateur Radio Club, Inc. was called to order by President, Art Kleefisch, W9WSS, in room 34 of the Baraboo Civic Center.

The following members were present:

Ken Ebnetter, K9EN	Portage
Paul Amend, KA9OBP	Portage
Duane Grotphorst, KA9HKL	Sauk City
Harry Mayland, K9FFT	Baraboo
Norm Gade, K9ELK	Reedsburg
Jim Decker, WB9UQT	Baraboo
Art Kleefisch, W9WSS	Baraboo

The minutes of the previous meeting were accepted as printed BSSS. The Treasures report showed a operating fund balance of \$69.67 and \$240.00 in the Equipment and General reserve funds. There are currently 28 members in the club.

It was announced that Elwyn Harris, W9YPP, passed away on August 7, 1984. Elwyn was a Charter member of the Club. In lieu of flowers the club has made a 20.00 memorial contribution to his church.

YTARC will be holding weekly classes for the Novice license starting Thursday October 4, 1984. The first classe will be held in Baraboo but will be subject to change is more convient for the class. Theory, rules and regulations and Morse code will be taught in the classes ending in January. For information contact W9WSS, WD9JIB or K9EN. Additional instructors will be appreciated.

The annual fish dinner will be held at Pierce's Supper Club in Baraboo at 6:30 p.m. on September 28, 1984. The cost will be \$5.50 per preson. The program will be a slide and scrap book program commemorating the 15th anniversary of the founding the the Yellow Thuner Amateur Radio Club.

It was decided that the club will not conduct a raffle this year.

Buck night drawing of \$1.00 was held with Jerry Lamb, KA9LUT being drawn. Since he was not here to win, the drawing for the next meeting will be \$2.00.

The next meeting will be held on Monday September 17, 1984. The program will be preparations for the annual dinner.

The meeting was adjourned by the President at 8:40 p.m.

Following a brief break to round up refreshments at the pop machine down

the all the program was presented by Art Kleefish, W9WSS. Art presented an excelent program on basic AC theory.

The September meeting of the YTARC will be held at 7:30 p.m. in Room 34 of the Baraboo Civic Center, Baraboo, Wisconsin. The program will be preparation for the annual fish dinner to be held on September 28, 1984. We will be sorting slides and sorting material to produce a commemorative program for the 15th anniversary of the founding of the club. If you have any slides or other material that can be used please bring it along. We also need help with dates and putting names with the many faces that are in the slides and photos.

BIRTHDAZ

Well it seem that September was quite a month for YRTARCers with the following celebrating their BIRTHDAZ:

Jermy Wight WB9NVI	September 10
John Hansel WB9TIG	September 16
George Halper W9SUF	September 16
Norman Gade K9ELK	September 22
Gordon Grant W9ULM	September 23

ELWYN D. HARRIS W9YPP - 1898 - 1984

Elwyn Harris, W9YPP, died Tuesday, August 7, 1984, in a Prairie du Sac WI nursing home.

Elwyn was born January 30, 1898, in Wessington, South Dakota. He was married to Evalyn Spear in 1920. He is survived by his wife, a brother, and three sons, one of whom is Dale, W4DM, of McLean, Virginia.

Elwyn was a Charter Member of the Yellow Thunder Amateur Radio Club, and gave the club his wholehearted support.

Funeral services for Elwyn were held on Friday, August 10, and he was buried in the Pardeeville Cemetery.

A memorial, on behalf of YTARC, has been made to the Concordia United Methodist Church.

Quite a guy, Elwyn... He was so active in so many organizations. And he supported them all. Elwyn believed in the inherent goodness of people, and that belief was contagious. He was a zesty guy, indeed, and a better-natured individual would be hard to find. If ever anyone made his mark in this nasty world, Elwyn did. He sure did. 73, OT.

-k9zz

RESONANCE RESEARCH OPEN HOUSE!!!

Durlin Cox (ex-WA9JDW), owner and operator of Resonance Research, has announced an Open House, at his place of business and manufacturing.

The open House will be from 7 until 10 p.m. on the evening of Sunday, September 16, 1984.

Durlin says the following exhibits will be offered for your entertainment - and possible terror:

- (1) 3.5 Megavolt Tesla coil.
- (2) 2 Megavolt Tesla coil.
- (3) 1 Megavolt Van de Graff Generator.
- (4) 150 KV induction coil.
- (5) 60 KV induction coil.
- (6) Spectrum Tube (Aurora Borealis in a glass tube).
- (7) Exploding Wire device (Ten Kilo-volts, 1200,000 Amperes through a poor, defenseless wire in 300 nanoseconds..That's about 1.2 GIGA-WATTS!)
- (8) Plasma Tube.
- (9) 20 Kilowatt climbing arc (Jacob's Ladder.)
- (10) Wimshurst Machine.
- (11) Possibly a continuous 3 mW Laser.

Durlin says you will see arcs from a human's fingers as he (or maybe she) stands on top of a Tesla coil. It ain't gonna be me.

Resonance Research is on Shady Lane Road, north of Baraboo, or south of Lake Delton. To get there from Baraboo, take County Highway A (also East Street) north of Baraboo a few miles to Shady Lane Road. Turn right (east) on Shady Lane Road. It is the second mailbox on the left (north) side of Shady Lane Road.

From Lake Delton, go south on Highway 12 a few miles to Shady Lane Road. Turn left (east), and go until you cross County Trunk A. It is the second mailbox on your left.

Durlin says there will be coffee and sandwiches, and perhaps other good thing.

It's worth the trip... See ya there!

k9zz

AMATEUR EQUIPMENT FOR SALE
ESTATE OF W9YPP:

Dale Harris, W4DM, has listed the following equipment from Elwyn's estate:

- (1) This equipment is gratis for the hauling -

BC-348 - Complete

S-38 Receiver

TCS/P.S. (WW II Vintage Command Set)

10 thru 40 Meter Vertical - Mosley RV4

- (2) This station package is priced at \$200.00 -

Swan 500/ AC Power Supply-Speaker

Homebrew Tuner/TVI Filter

Heathkit SWR Meter

Mike

Manual

If you are interested, please call Evalyn Harris at (608) 643-6424

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STUFF... DE k9zz...

Ya know, the numbers from 1 to 10 sound different enuf from each other to not cause much confusion.. except five and nine. Others wiser than most of us figgered that out... and to make things perfectly clear, nine is spoken as "niner." Why, then, do some misguided folk say "fiver?" Gess things are too simple.. gotta throw in some confusion! Fiver?????

Anudder thing.. Mebbe we need a "button mashing" competition... Listening on the repeaters, gotta wonder. One station drops his carrier, and then seems like any delay in responding must be 100 milliseconds.. or less. Jest gotta squash that old button right down. Now, repeaters do have timers... and it sometimes makes me wonder how these stations ever finish a QSO.

Some repeaters have courtesy beeps, but even these are often ignored. Wonder if some of these stations ever ponder just what that funny little beep is.. when they do let up long enough to hear it. The beep usually signifies timer reset... please pause!!!

And anudder thing... often hear stations using the repeater, and tell the
(continued on page 8)

WISCONSIN NETS ASSOCIATION

WISCONSIN NETS

NET	WNA	FREQ	UTC	LOCAL CDT	MANAGER
BWN	YES	3984	1100Z	0600	WD9IID
BEN	YES	3985	1700Z	1200	WB9ESH
WSBN	YES	3985	2230Z	1730	WA9ZTY
WNN	YES	3723	2300Z	1800	KA9DBP
WSSN	YES	3645	2330Z	1830	KC9CJ
WIN-E	YES	3662	0000Z	1900	WB9ICH
WIN-L	YES	3662	0300Z	2200	K9LBU
XFO	NO	3925	1731Z	1231	WA9YVC
NWTN	YES	.34/.94	2330Z	1830	N9BDL
GR.BAY	NO	.72/.12	THU 0145Z	2045 WED	WB9NRK
WCWTN	YES	.31/.91	2330Z	1830	N9AUG

GOT YOUR THINKING CAP ON?

From Rich Regent, K9BDF, SM WI
5003 South 26th Street
Milwaukee WI 53221

A bright WNA member selected three ARRL publications in a book store to purchase. In the check out line, he noticed the prices were multiplied, instead of added, but the salesperson said, "Either way, the total cost is \$5.70." What were the prices of each of the three publications?

The Answer:

There are various solutions, including trial and error, or a lucky guess, but perhaps you realized that number testing is a job for a computer.

Assume item prices are a positive integer number of cents, in other words, we can forget about prices like two-for-97 cents, as well as negative and imaginary values.

The problem suggests two equations with three unknowns as

$$X + Y + Z = 570, \quad (1)$$

and

$$XYZ = 5700000. \quad (2)$$

Eq. (1) is in units of cents, because it's easier to program in integers. If the left hand side of Eq. (2) is to be in units of "cents cubed," then the right hand side, 5.70 "dollars cubed" multiplied by the conversion factor of 1,000,000 "cents cubed" per "dollar cubed," becomes 5700000 "cents cubed."

Eq. (2) implies that no item is free, and, therefore, we can assume the lowest price for any item is 1 cent. With these facts, the BASIC program for the Apple computer is:

```
10 TEXT : HOME (For the TRS, use CLS)
20 FOR X=1 TO 568
30 PRINT X
40 FOR Y=1 TO 569-X
50 IF X * Y * (570 - X - Y) = 5700000 GOTO 70
60 NEXT Y
70 PRINT X,Y,570-X-Y
80 END
```

Line 10 clears the screen. Line 20 increments the first item, X, from 1 cent to 568 cents; the upper limit is found by taking 570 cents minus the sum of the other two minimum 1-cent costs.

Line 30 displays program progress, but is optional. Line 40 increments the second item, Y, from 1 cent to (569-X) cents; the upper limit this time is 570 cents minus 1 cent for the third item minus X. Solving for Z in Eq. (1) results in $Z = 570 - X - Y$, which is then substituted for Z in Eq. (2).

Line 50 tests values in this combined equation; if true, control goes to line 70; if false, line 60

WHAT DOES A TECHNICAL ADVISOR DO?

From Rich Regent, K9BDF, SM WI
5003 South 26th Street
Milwaukee WI 53221

Many Amateurs confuse the ARRL Technical Advisor with the Technical Coordinator.

The big similarity is that they both have the word "Technical" in their titles. One Amateur, for example, AD7I, is handling both the TC and TA jobs, yet there still is a distinct difference in the duties.

The Technical Coordinator Leadership Appointee keeps interest high in the Section's technical activities, and may be knowledgeable in many electronic areas.

On the other hand, the Technical Advisor must have expertise in his or her appointment area. Preferably, the appointee is engaged professionally in that area of technical expertise. However, persons with equivalent value through formal education, along with practical experience, are considered.

The TA is appointed by the Technical Department Manager for a term of one year, and is subject to renewal at the time of expiration. A TA certificate is issued by the Technical Department Manager, the League President, and the Division Director.

TAs receive free copies of all technical books produced by the League, primarily for the purpose of having them go through the books to point out discrepancies, and suggest improvements for the next revisions.

They are also asked to review manuscripts which relate to their particular areas of professionalism, assuming the material is questionable in terms of accuracy upon examination by our (ARRL's) editorial staff.

TAs are encouraged to give technical lectures at club meetings and conventions, and are reimbursed for their travel, when approved by ARRL Headquarters. TAs also serve as fountainheads of information when called upon by Headquarters' personnel and other League officials.

increments Y and, if the Y loop is completed, it increments X. Finally, line 70 prints the answers.

Take a long walk while the program runs. When you return, your screen should show the answers 125, 160 and 285, converted back to dollars by putting in the decimals, that's \$1.25, \$1.60, and \$2.85. How did your computer do?

-Rich, K9BDF

TALK IT UP... COMPUTER NETS:

From Rich Regent, K9BDF, SM WI
5003 South 26th Street
Milwaukee WI 53221

Milwaukee area Amateurs have started a weekly 2-meter net.

K9IZV calls it to order each Thursday at 9 p.m. on 31/91. The purpose of the net is to exchange information, ask questions, solve hardware problems, and give technical talks - all on the single subject of computers.

Each session has around 30 computer-owner checkins, representing eight different manufacturers, with over 140 different stations checking in so far.

It's not unusual for several enthusiastic operators to ask questions and share interesting comments. This net will be an important resource to instruct, inspire, and encourage both new and seasoned Amateurs, in order to improve modes of communication, and to keep pace with the rapid advance of computer technology.

Perhaps you're interested in the idea of a local 2-meter computer net, and could coordinate others in the right direction to get activity started.

There are several computer-talk nets already in operation on the HF bands, with operators willing to give you tips and guidelines in reply to your questions, or you might just want to listen to hear discussions.

Pertinent information about such nets is occasionally given in the QST "On Line" column, or in the ARRL Net Directory.

The current edition of the Net Directory is available for the asking. It lists over 1,200 Public Service nets by location and frequency, as well as many computer and maritime service nets. This directory is also packed with information on all the basics of traffic handling and net operation.

You may obtain your copy by sending a self-addressed 9" x 12" envelope with 88 cents U.S. postage to:

ARRL Net Directory
225 Main Street
Newington CT 06111

If you get a computer net going in your area, let ARRL Headquarters know, and they will list it in the Directory or in QST "On Line." If someone in your area starts a computer net, give them your support - the encouragement may make a difference.

73, Rich, K9BDF

SCIENTISTS SAY 2-METER BAND MAY BLOW UP From GEARVAXX Bulletin

Scientists at the International Academy of Amateur Radio in Blue Bank, Sunderland, held a news conference today to reveal the results of a study which shows that the Amateur Radio two-meter band is on the verge of a violent explosion. The impending catastrophe was announced by Dr. Flaubert L'Spigot, Academy President. "Eet eez a beeg dangair zat zee two-meetair band weel blowing up in ze face of zose who using eet," said Dr. L'Spigot. The good doctor's remarks were interpreted for the press by the Academy's press secretary, Ms. Pamela Sue Teton. "What Dr. L'Spigot said was that the two-meter band might blow up soon," said Ms. Teton. When asked what Dr. L'Spigot meant by his statement, Ms. Teton explained that she hadn't the faintest idea. At this point, ass that reporters know is that there is a possibility that the two meter band may blow up soon, but only those who understand some sort of foreign language know when or why. For further information, be sure to stay tuned to this newsletter.

STUFF (continued from page 6)

guy on the other end, "Gee, you're really strong... you're pinning my meter!!" Hmmm. These stations don't seem to understand what a repeater is! I sometimes ponder just how they ever passed a test. C'mon... when you are receiving the repeater, that is the signal you are receiving... and that is the signal your meter (or LEDs) indicate!!!! Of course, you knew that all along.... didn't you?

-k9zz

HYSTERICAL NEWS

From SarC SparC (Scottsdale AZ)

Arizona historians point out with pride that it was an Indian Chief from this state who first thought of installing electricity in the tribal washrooms. And so he became the first Indian ever to wire a head for a reservation.

BEAR WITH US

A Pole, a Hungarian and a Czechoslovakian went hunting and met a female and a male bear that promptly devoured them all.

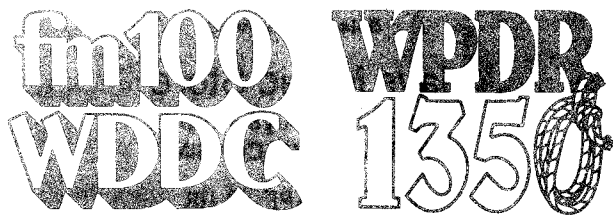
When a rescue squad arrived they shot the bears and cut open the female. There they found the Pole and the Hungarian.

"Well," said one of the squad members, "it is obvious that the Czech is in the male." --Boscobel Dial

That is it for another month hope you enjoyed this issue of BSSS as much as we did bringing it to you.

73 de BSSS staff

Badger State Boosters



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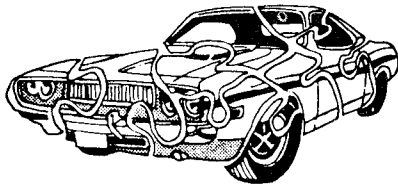
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1984 WISCONSIN QSO PARTY SUMMARY - WISCONSIN STATIONS

CALL	COUNTY	QSO POINTS			FINAL SCORE	CLUB
		CW	SSB	MULT		
AC9C	SAWYER	404	398	105	84210	BADGER AMATEUR RADIO SOCIETY
KU9G/M	17 WORKED FROM	1306	0	51	75106	
KB9S	PEPIN	396	248	100	64400	
K9GDF	MILWAUKEE	300	358	94	61852	W/K ARC OF GREATER MILWAUKEE
NA9D	DANE	344	242	94	55084	BADGER AMATEUR RADIO SOCIETY
N98MS	OUTAGAMIE	292	336	87	54636	N-MARC
K9EC	EAU CLAIRE	106	433	98	52822	BADGER AMATEUR RADIO SOCIETY
K09Q	SHEBOYGAN	210	345	91	50505	
N9AW	MILWAUKEE	332	241	85	48705	W/K ARC OF GREATER MILWAUKEE
K9VGE	WAUKESHA	404	193	81	48357	KETTLE MORaine RADIO AMATEURS
W9WI	DANE	320	191	93	47523	BADGER AMATEUR RADIO SOCIETY
WB9RRU	EAU CLAIRE	308	186	89	43966	BADGER AMATEUR RADIO SOCIETY
K9ZZ	COLUMBIA	424	111	81	43335	YELLOW THUNDER ARC
K9LJN	ROCK	326	196	79	41238	
N9EZ/M	16 WORKED FROM	402	164	57	40262	KETTLE MORaine RADIO AMATEURS
W9YT	DANE	124	319	90	39870	BADGER AMATEUR RADIO SOCIETY
WA9TZE	MILWAUKEE	194	249	87	38541	W/K ARC OF GREATER MILWAUKEE
WA9BZW	SHAWANO	0	405	94	38070	FRANKLIN MIDDLE SCHOOL
KC9A	CHIPPEWA	308	146	81	36774	BADGER AMATEUR RADIO SOCIETY
W9XT	DODGE	0	451	80	36080	KETTLE MORaine RADIO AMATEURS
W9MP	BARRON	162	243	88	35640	BARRON COUNTY ARES
W9TR	IOWA	226	177	84	33852	BADGER AMATEUR RADIO SOCIETY
W9WAQ	JEFFERSON	482	0	66	31812	
KB9QL	MILWAUKEE	0	343	90	30870	W/K ARC OF GREATER MILWAUKEE
WA1UJU/9	WAUKESHA	236	87	71	30175	FALLS ARC
N9HR	JEFFERSON	195	182	76	28652	WATERTOWN AMATEUR RADIO CLUB
W9HE	WAUKESHA	402	0	69	27738	KETTLE MORaine RADIO AMATEURS
WB9JBF	MILWAUKEE	34	282	77	24332	W/K ARC OF GREATER MILWAUKEE
AJ9U	MILWAUKEE	236	103	70	23730	W/K ARC OF GREATER MILWAUKEE
W9FSH/M	12 WORKED FROM	0	271	59	21989	
K9WWW	WINNEBAGO	148	122	71	19170	BADGER AMATEUR RADIO SOCIETY
K9WTF	WAUKESHA	0	249	76	18924	WEST ALLIS RADIO AMATEUR CLUB
N9BYK	DANE	134	120	69	17526	BADGER AMATEUR RADIO SOCIETY
W9CHD	LINCOLN	212	49	65	16965	MILWAUKEE RADIO AMATEURS CLUB
KD9ET	MILWAUKEE	124	143	60	16020	
KA90IE	JEFFERSON	278	0	56	15568	
K9CAN	OZAUKEE	64	150	71	15194	
W9CBE	DANE	150	102	59	14868	
AE9K	WAUKESHA	208	30	58	13804	W/K ARC OF GREATER MILWAUKEE
K9BED	MILWAUKEE	6	236	55	13310	W/K ARC OF GREATER MILWAUKEE
N98BN	JUNEAU	44	159	59	11977	ARC OF CENTRAL WISCONSIN
N0BMP/M	10 WORKED FROM	0	171	43	11853	BADGER AMATEUR RADIO SOCIETY
KB9QK	WAUKESHA	34	145	62	11098	BADGER AMATEUR RADIO SOCIETY
KB9W	POLK	228	0	48	10944	EAU CLAIRE ARC
WB9SAU	CALUMET	0	159	66	10494	N-MARC
KASNP0	PRICE	18	167	54	9990	FLAMBEAU AMATEUR RADIO CLUB
KA90BP	COLUMBIA	116	82	45	8910	YELLOW THUNDER ARC
WB9ICH/M	WAUPACA	0	130	39	8570	WAUPACA AMATEUR RADIO CLUB
W9YCV	MILWAUKEE	94	67	52	8372	WEST ALLIS RADIO AMATEUR CLUB
K9FHI	DODGE	0	148	56	8288	ROCK RIVER RADIO CLUB
WB9YSE	DANE	96	81	46	8142	BADGER AMATEUR RADIO SOCIETY
K9KR	RACINE	44	111	50	7750	WEST ALLIS RADIO AMATEUR CLUB
WB9TOC	FOND DU LAC	26	117	52	7436	BADGER AMATEUR RADIO SOCIETY
KC9VM	DUNN	156	5	45	7245	
K9IAC	MILWAUKEE	0	127	56	7112	WEST ALLIS RADIO AMATEUR CLUB

1984 WISCONSIN QSO PARTY SUMMARY - WISCONSIN STATIONS

CALL	COUNTY	QSO POINTS			FINAL SCORE	CLUB
		CW	SSB	MULT		
WA9IKR	PRICE	44	103	48	7056	FLAMBEAU AMATEUR RADIO CLUB
WB9MRO	DANE	160	0	40	6400	FOUR LAKES ARC
K9JIG	EAU CLAIRE	0	122	48	5856	
K9DZG	DANE	84	32	49	5684	YELLOW THUNDER ARC
KB9DZ	WAUKESHA	0	118	47	5546	KETTLE MORaine RADIO AMATEURS
KD9GD	FOND DU LAC	0	123	45	5535	GREEN FOX ARC
KD9FC/M	4 WORKED FROM	0	93	35	5255	FRANKLIN MIDDLE SCHOOL ARC
KZ9V	PRICE	46	75	43	5203	FLAMBEAU AMATEUR RADIO CLUB
W9DMI	MILWAUKEE	98	45	36	5148	W/K ARC OF GREATER MILWAUKEE
WB9LLW	WAUKESHA	8	82	41	3690	KETTLE MORaine RADIO AMATEURS
KA9GOU	WINNEBAGO	18	71	37	3293	NEENAH-MENASHA ARC
WB9YHB	MARATHON	0	68	38	2584	BADGER AMATEUR RADIO SOCIETY
W9DU	ADAMS	64	0	22	1408	
WB9GZP	MILWAUKEE	0	40	29	1160	WEST ALLIS RADIO AMATEUR CLUB
WB8ULZ/9	KENOSHA	44	0	18	792	
WD9HWU	DANE	44	0	12	528	BADGER AMATEUR RADIO SOCIETY
W90DV	SHEBOYGAN	0	10	10	100	SHEBOYGAN COUNTY ARC
N9DIJ	MILWAUKEE	0	18	4	72	W/K ARC OF GREATER MILWAUKEE
W9CRQ	WAUKESHA	2	9	5	55	KETTLE MORaine RADIO AMATEURS

1984 WISCONSIN QSO PARTY CLUB AGGREGATE SUMMARY

PLACE	CLUB NAME	SCORE
1	BADGER AMATEUR RADIO SOCIETY	472438
2	W/K ARC OF GREATER MILWAUKEE	260364
3	KETTLE MORaine RADIO AMATEURS	161728
4	N-MARC	65130
5	YELLOW THUNDER ARC	57929
6	FRANKLIN MIDDLE SCHOOL	43325
7	WEST ALLIS RADIO AMATEUR CLUB	43318
8	BARRON COUNTY ARES	35640
9	FALLS ARC	30175
10	WATERTOWN AMATEUR RADIO CLUB	28652
11	FLAMBEAU AMATEUR RADIO CLUB	22249
12	MILWAUKEE RADIO AMATEURS CLUB	16965
13	ARC OF CENTRAL WISCONSIN	11977
14	EAU CLAIRE ARC	10944
15	WAUPACA AMATEUR RADIO CLUB	8570
16	ROCK RIVER RADIO CLUB	8288
17	FOUR LAKES ARC	6400
18	GREEN FOX ARC	5535
19	NEENAH-MENASHA ARC	3293
20	SHEBOYGAN COUNTY ARC	100

1984 WISCONSIN QSO PARTY SUMMARY - NON WISCONSIN STATIONS						
CALL	STATE	Q S O P O I N T S			WIS. COUNTIES	FINAL SCORE
		CW	SSB	TOTAL		
N4QB	AL	146	50	196	33	6468
AK7J	AZ	0	22	22	16	352
W6NNV	CA	100	0	100	32	3200
W6LEN	CA	50	7	57	19	1083
N0BSA	CO	26	43	69	23	1587
KB1H	CT	62	37	99	24	2376
AB1U	CT	32	22	54	20	1080
KB1V	CT	18	9	27	14	378
WA1NCN	CT	0	12	12	9	108
W3HQU	DC	152	0	152	37	5624
K3JL	DE	40	8	48	16	768
KN4Y	FL	86	0	86	28	2408
KA4IFF	FL	20	0	20	10	200
WK4F	FL	0	8	8	8	64
K9AYK/0	IA	120	81	201	40	8040
NC0R	IA	68	29	97	28	2716
K0HQE	IA	68	0	68	20	1360
WA0AUX	IA	0	49	49	24	1176
K9WA	IL	106	31	137	38	5206
KY9F	IL	0	85	85	33	2805
N9CIW	IL	0	67	67	37	2479
W09GSU	IL	42	30	72	28	2016
KZ9Q	IL	38	0	38	13	494
W9QWM	IL	12	4	16	8	128
N0CLV	KS	0	21	21	14	294
NZ4K	KY	68	134	202	49	9898
W5WG	LA	132	11	143	30	4290
WA1UDH	MA	154	37	191	32	6112
W1AQE	MA	94	0	94	28	2632
KA1CLV	MA	38	0	38	15	570
WA1REI	MA	0	10	10	9	90
KQ3S	MD	124	0	124	27	3348
K3LK	MD	64	0	64	20	1344
W3XE	MD	36	0	36	15	576
KA1ZX	ME	40	13	53	20	1060
AA8M	MI	166	94	260	49	12740
K8KIR	MI	76	0	76	27	2052
N0BSH	MN	112	122	234	53	12402
KI0F	MN	108	90	198	46	9108
KF0T	MN	84	30	114	24	2736
WB0VKI	ND	0	89	89	38	3382
AF1T	NH	0	42	42	21	882
K2PF	NJ	72	11	83	24	1992
WA2UDT	NJ	40	23	63	18	1134
NC2V	NJ	20	32	52	20	1040
K2TE	NJ	48	0	48	13	624
W2FGY	NJ	0	23	23	13	322
AI9X	NM	90	15	105	27	2835
KB5DQ	NM	26	29	55	18	990
W5TGU	NM	0	26	26	16	416
VE1BBW	NS	32	15	47	18	846
KA7GXO	NV	0	3	3	3	9
K2POF	NY	188	26	214	41	8988
W2EMW	NY	68	0	68	20	1380
K2HVN	NY	44	2	46	21	966

1984 WISCONSIN QSO PARTY SUMMARY - NON WISCONSIN STATIONS						
CALL	STATE	Q S O P O I N T S			WIS. COUNTIES	FINAL SCORE
		CW	SSB	TOTAL		
N2CVE	NY	46	0	46	16	736
N2RT	NY	42	0	42	15	630
K8ATQ	OH	100	24	124	29	3596
W8RYP	OH	108	0	108	30	3240
WB8LZR	OH	0	37	37	21	777
KJ9R	OK	72	12	84	26	2184
VE3KK	ONT	100	0	100	27	2700
VE3MGY	ONT	82	0	82	25	2050
VE3MRP	ONT	34	0	34	12	408
W3H0H	PA	174	60	234	38	8892
W3ARK	PA	122	14	136	33	4488
N3COR	PA	0	46	46	24	1104
WA3UNX	PA	60	6	66	15	990
N9CPI/3	PA	0	27	27	17	459
WA3JXW	PA	4	0	4	2	8
WA0NZA	SD	18	0	18	8	144
WD4SIG	TN	24	0	24	11	264
W5PWG	TX	124	0	124	30	3720
WD5DEQ	TX	96	28	124	28	3472
W5S0D	TX	16	32	48	18	912
W5NR	TX	6	0	6	3	24
N7TT	WA	124	34	158	38	6004
W7DRA	WA	40	0	40	17	680
KD7RX	WY	0	31	31	15	465

SOAP BOX

Thanks to those Wisconsin (65 of 72 counties) and Out of State (53 states/provinces) stations that participated in the 1984 Wisconsin QSO Party. Special thanks go to Ron, N9AU, and Dave, WA9POV, and others for helping me make the QSO party a success.

Lost & Found

I would like to apologize for misplacing entries, especially those from the Badger ARS. Hopefully we have located all of those entries.

The post office had lost the original logs of an entry that had over 50,000 points. A week later the post office found the entry form and logs and forwarded it to us.

Some Comments

- What a Bash!
- Sure was alot of activity on 20 and 40.
- The below zero temperature froze my 24 hour watch.
- Great QSO Party!
- Was a nice and relaxing sprint.
- It's still the only contest which I officially enter each year.
- There was very little activity on 15 meters even though the band was open.
- Very few Wisconsin stations were heard here on the West Coast.

WARAC appreciates your comments. If you have any more about the QSO Party, send to:
 WISCONSIN QSO PARTY
 P.O. Box 1072
 Milwaukee, WI 53201

73's - Jim Borowski, WA9YSD - QSO Party Chairman

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W.N.A. LTD. ANNUAL PICNIC

WHEN: SATURDAY SEPT 15, 1984

WHERE: NORTH WOOD COUNTY PARK --

DIRECTIONS: About 1/2 way between Marshfield and Wisconsin Rapids. From Wisconsin Rapids, go North on Highway 13 to County Highway A near Pittsville, (about 16 miles) turn right on A (watch for WNA signs) to North Wood County Park. From Marshfield, go South on 13 to County A (about 14 miles) turn left on A to park. Talk-in on 146.52 and 146.19/79.

TIME: Registration begins at 10AM (no reservations needed)

COST: SINGLE: 3.00 COUPLE: 4.00 FAMILY: 5.00

The cost includes beverages (beer & pop). Bring your own grub. Grills will be provided for cooking.

Shelter house available for inclement weather.

Beach area and playground equipment for the kiddies -- also games will be played. Fishing area available.

If there is enough interest, there will be a softball game (CW vs SSB ops) so bring your bat, ball and glove.

Bingo for the ladies and kids. Campground available - with hookups. (Flush toilets in shelter)

Prizes will be awarded around 4 PM

FUN FOR ALL --- BE THERE!!!!!!!!

YELLOW THUNDER AMATEUR RADIO CLUB

ACHTUNG ACHTUNG ACHTUNG ACHTUNG

YTARC'S ANNUAL FALL FISH FRY is September 28, 1984 at Pierce's Supper Club, 323 So. Blvd., Baraboo. Our annual goodie...Come and join your fellow club members, past members, visitors and our guests as we partake of a goodly supply of fish and other assorted fodder. It's just \$5.50 per plate, tax and tip included. We will have a program featuring slides and other memories of YTARCs first 15 years. Happy hour is at 6:00 p.m. and fish will come from the kitchen at 7:00 p.m. Happy hour is Dutch. Reservations are coming in...don't miss this yearly gathering of good friends! All are welcome -- membership is not needed.

Make reservations by September 26. Members (present and past) and non-members are welcome. Bring a guest.

Send \$5.50 per plate to: Jim Decker, WB9UQT, P.O. Box 337, Baraboo Wisconsin 53913. (356-5376).

Jim: Please make ----- reservations at \$5.50 each for me to the 1984 YTARC ANNUAL FALL FISH FRY.

Name ----- Call -----

Address -----

City, State & Zip -----

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Now is your opportunity to join the WNA BOOSTERS and help support the important activities of the WNA. As a BOOSTER you will receive a recognition certificate as a BOOSTER, a copy of the new WNA Manual and a one year subscription to the Badger State Smoke Signals monthly newsletter. Smoke Signals will carry two pages of information from the WNA nets and the Wisconsin Section ARRL leaders in addition to news from local clubs and information of general interest to Badger State amateurs. Send your \$10.00 contribution to the WNA treasurer and you can become a WNA BOOSTER. If you are already a Smoke Signals subscriber, your subscription will be extended one year.

----- tear here and send to -----

TREASURER, WISCONSIN NETS ASSOCIATION
RICHARD D. HUGI, KC9CJ
2962 N. 60TH ST.
MILWAUKEE, WISCONSIN 53210

DICK:

I WANT TO BECOME A WNA BOOSTER.

Enclosed is my check/money order for \$10.00.

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Name: _____ Call: _____

Address: _____

City: _____ State: _____ ZIP: _____

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Jim Romelfanger, K9ZZ, Editor
(see page two for exchange address)

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Must be found out for our country's sake;
So yesterday the whole office discussed it--
For two hours, on our coffee break.
--Edward F. Dempsey.e

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